

## **STIC Biotechnology Systems Branch**

### **RAW SEQUENCE LISTING ERROR REPORT**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:**

Application Serial Number: 10/567,938  
Source: IFwp  
Date Processed by STIC: 2/21/06

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

**FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT  
MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:**

**<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06



IFWP

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/567,938

DATE: 02/21/2006  
TIME: 13:04:31

Input Set : N:\KEISHA\10567938.txt  
Output Set: N:\CRF4\02212006\J567938.raw

4 <110> APPLICANT: The University of Texas Health Science Center at San Antonio  
 6 <120> TITLE OF INVENTION: REGULATION OF TISSUE MINERALIZATION AND  
 7 PHOSPHATE METABOLISM BY ASARM PEPTIDES  
 10 <130> FILE REFERENCE: 21105.0011P1  
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/567,938  
 C--> 13 <141> CURRENT FILING DATE: 2006-02-09  
 15 <150> PRIOR APPLICATION NUMBER: 60/504,044  
 16 <151> PRIOR FILING DATE: 2003-09-19  
 18 <160> NUMBER OF SEQ ID NOS: 24  
 20 <170> SOFTWARE: FastSEQ for Windows Version 4.0

## ERRORED SEQUENCES

609 <210> SEQ ID NO: 24  
 610 <211> LENGTH: 57  
 611 <212> TYPE: PRT  
 612 <213> ORGANISM: Homo sapien  
 617 <220> FEATURE:  
 618 <221> NAME/KEY: VARIANT  
 619 <222> LOCATION: 46  
 620 <223> OTHER INFORMATION: Xaa = P or Q  
 622 <400> SEQUENCE: 24  
 623 Asp Val Ser Leu Val Glu Gly Ser Asn Asp Ile Met Gly Ser Thr Asn  
 624 1 5 10 15  
 625 Phe Lys Glu Leu Pro Gly Arg Glu Gly Asn Arg Val Asp Ala Gly Ser  
 626 20 25 30  
 W--> 627 Gln Asn Ala His Gln Gly Lys Val Glu Phe His Tyr Pro Xaa Ala Pro  
 628 35 40 45  
 629 Ser Lys Glu Lys Arg Lys Glu Gly Ser  
 630 50 55  
 631 ATTORNEY DOCKET NO. 21105.0011P1  
 E--> 632 1

*Does Not Comply  
Corrected Diskette Needed*

*jm 1-3*

*This appeared at beginning  
of submitted file.*

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2

<210> 21  
<211> 165  
<212> PRT  
<213> Homo sapien

<220>  
<221> VARIANT  
<222> 1  
<223> Xaa = T or M

Homo  
sapien

all p. 3

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3

<221> VARIANT  
<222> 2, 3, 4  
<223> Xaa = Any amino acid except Lys

<221> VARIANT  
<222> 6  
<223> Xaa = Y or S

<221> VARIANT  
<222> 11  
<223> Xaa = E or G

<221> VARIANT  
<222> 13  
<223> Xaa = E or K

<221> VARIANT  
<222> 14, 15, 16  
<223> Xaa = Any amino acid except Lys

<221> VARIANT  
<222> (17) ... (17)  
<223> Xaa = G or I

<221> VARIANT  
<222> (19) ... (22)  
<223> Xaa = Any amino acid except Lys

<221> VARIANT  
<222> (29) ... (30)  
<223> Xaa = Any amino acid except Lys

<221> VARIANT  
<222> (80) ... (80)  
<223> Xaa = P or Q

<221> VARIANT  
<222> (81) ... (84)  
<223> Xaa = Any amino acid except Lys

?  
locations 81-84 are not Xaa's  
(see below)

<400> 21  
Xaa Xaa Xaa Xaa Gly Xaa Asn Glu Ile Pro Xaa Arg Xaa Xaa Xaa  
1 . . . . . 5 . . . . . 10 . . . . . 15  
Xaa Gly Xaa Xaa Xaa Xaa Thr Arg Asp Glu Thr Ala Xaa Xaa Ala Asp  
20 . . . . . 25 . . . . . 30 . . . . .  
Ala Val Asp Val Ser Leu Val Glu Gly Ser Asn Asp Ile Met Gly Ser  
35 . . . . . 40 . . . . . 45 . . . . .  
Thr Asn Phe Lys Glu Leu Pro Gly Arg Glu Gly Asn Arg Val Asp Ala  
50 . . . . . 55 . . . . . 60 . . . . .  
Gly Ser Gln Asn Ala His Gln Gly Lys Val Glu Phe His Tyr Pro Xaa  
65 . . . . . 70 . . . . . 75 . . . . . 80 . . . . .  
Ala Pro Ser Lys Glu Lys Arg Lys Glu Gly Ser Xaa Xaa Xaa Xaa Xaa  
85 . . . . . 90 . . . . . 95 . . . . .  
Xaa Xaa Xaa Tyr Asn Glu Ile Pro Lys Xaa Xaa Lys Gly Xaa Xaa Xaa  
100 . . . . . 105 . . . . . 110 . . . . .  
Lys Xaa Xaa Xaa Ser Asn Arg Asn Gln Ala Thr Leu Asn Glu Lys  
115 . . . . . 120 . . . . . 125 . . . . .  
Gln Arg Phe Pro Ser Lys Gly Lys Ser Gln Gly Leu Pro Ile Pro Ser  
130 . . . . . 135 . . . . . 140 . . . . .

what about  
Xaa's at  
locations  
92-99?  
106-107?  
110-112?  
114-117?

**VERIFICATION SUMMARY**  
PATENT APPLICATION: US/10/567,938

DATE: 02/21/2006  
TIME: 13:04:32

Input Set : N:\KEISHA\10567938.txt  
Output Set: N:\CRF4\02212006\J567938.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:174 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0.  
L:498 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21  
L:502 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21  
L:506 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21  
L:510 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21  
L:514 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21  
L:518 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21  
L:522 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21  
L:526 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21  
L:530 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21  
L:534 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21  
L:535 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0  
M:341 Repeated in SeqNo=21  
L:575 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:22  
L:579 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:22  
L:583 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:22  
L:587 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:22  
L:588 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0  
L:605 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:23  
L:606 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0  
L:627 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:32  
L:632 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:24